SEP 3 0 2005

Docket No.: 084693-0078

DATENT.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Customer Number: 33401

MARMARELIS ET AL.

Confirmation Number: 4072

Serial No.: 10/623,426

Group Art Unit: 3737

Filed: July 18, 2003

Examiner: IMAM, ALI M

For:

Optimization of Excitation Waveform for Nonlinear Transmit-Receive Systems

CERTIFICATE OF MAILING (37 CFR. § 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail as First Class Mail under 37 CFR 1.8(a) in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-

Jessica Blown

AMENDMENT AND RESPONSE TO OFFICE ACTION

MAILED MAY 6, 2005

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action, mailed May 6, 2005.

Amendments to the claims begin on page 2 of this paper. Remarks begin on page 7 of this paper.

A petition for a two-month extension of time is being filed contemporaneously herewith. An Amendment, Petition and Fee to Add Inventor Under 37 CFR 1.48 is also being filed contemporaneously herewith (copy enclosed).